David Hiltzman

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Portfolio: HiltzSite.com
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EDUCATION

Bachelor of Science in Computer Science, *Oklahoma State University*   Graduation Date: December 2022
Study Abroad, Hochschule Augsburg   February 2018 - August 2018

PROJECTS

LEDZilla Configurable LED Display Helmet for Disk Jockey   **August 2021**
- Coordinated with client on requirements for a wearable LEDZilla based helmet with portable controller
- Conceptualized and modeled a 3D printed helmet with customizable LED patterns that can be designed by the client and exported to the helmet with relative ease

weCAPTCHA for Stanford's Treehacks Hackathon 2021   **February 2021**
- Designed and constructed a React web application to preserve lesser known languages with games created in Firebase
- Interfaced with public facing social media plugins to assist in translation assistance

Automated Super Air Meter for Oklahoma State University's Bert Cooper Engineering Laboratory   December 2020 - April 2021
- Automated time intensive process into a micro-controller based automated program that reduces time by over 90%
- Modernized with Android based dynamic application built in Flutter and communicated through Bluetooth

Arduino Robotic Bartender   **July 2019**
- Designed and modeled an automated drink mixing machine controlled by an embedded systems with a custom user interface
- Upgraded machine with smartphone based dynamic GUI communicated through Bluetooth

PROFESSIONAL EXPERIENCE

Sofware Engineering Intern   **June 2022 - August 2022**
United Services Automobile Association (USAA)   *San Antonio, Texas*
- Utilized React JS and Redux capabilities to implement UI chat flow functionality
- Developed and deployed code to production to help facilitate business compliance
- Thrived in SAFe Agile environment with weekly stand-ups, progress tracked in Jira management software, sprint planning, and bi-weekly retrospectives

Operations Buyer   **April 2021 - May 2022**
Ditch Witch   *Perry, Oklahoma*
- Contributed to the development of a strategic supply chain pertaining to Electronics and Resin manufacturing
- Utilized knowledge of processes necessary to forecasting, demand planning, scheduling and inventory management tools and concepts necessary to manage supplier relationships and manage projects to complete complex tasks on time and on budget
- Managed and maneuvered through several critical issues in projects over 20 million dollars

Supply Chain Specialist/Customer Solutions Specialist   **January 2019 - April 2021**
MaxQ Research LLC   *Stillwater, Oklahoma*
- Spearheaded adoption and lead customization for integration of 3rd party software while maintaining development timelines.
- Reduced inventory variance by over 60% through implementation of inventory software and optimizing processing time
- Diagnosed and solved synchronization issues with Quickbooks Online servers

LEADERSHIP AND SERVICE

Theta Tau Professional Engineering Fraternity   **August 2016 - Present**
Stillwater, Oklahoma
- National Student Advisory Committee Chairman (January 2019 - July 2022)
- President of Oklahoma State University's chapter (August 2019 - August 2020)
- Lead recruitment of 60+ members as head of recruitment
- Averaged 40 service hours per year

TECHNICAL SKILLS

Programming Languages	React, Redux, Java, C#, Python, C++, C, Firebase, Flutter, Bash, Powershell, HTML, JavaScript, .NET
CAD Software	Solidworks, Autodesk Inventor, AutoCAD
Fabrication	Additive, Rapid Prototyping, CNC Operation, Embedded Systems
Certifications	Certified Front End Developer (W3 Schools), HTML Developer (W3 Schools), CSS Developer (W3 Schools), JavaScript Developer, Solidworks Associate, Six Sigma Green Belt, Part 107